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OUNDLE & THRAPSTON  
RURAL DISTRICT COUNCIL



ANNUAL REPORT  
OF THE  
MEDICAL OFFICER OF HEALTH

1 9 6 3



Council Offices,  
Midland Road,  
Thrapston.

December, 1964.

Mr. Chairman,

The Public Health Report for 1963 continues the evidence that the district is healthy and at the same time fertile - births outnumber deaths by 3 to 2. The average number of under 15 years in the district lies between 19% and 20%, and the average for England and Wales is between 22% and 23%. In South America and in the Asiatic countries the under 15 years form 50% - 55% of the population. A youthful national population implies a low expectation of life, a high birth rate with a high infantile death rate and the prevalence of endemic diseases with poor hygienic and social standards.

The disposal of sewage, and waste organic matter in general, cannot be satisfactory by the existing biological treatment. A multiplicity of village sewage works is to be deplored at any time. The joining up of Thrapston, Islip, Denford and Ringstead for sewage disposal is sound as far as it goes. The aim should be to return to the earth, in a sterilised state, as a fertilizer, all that came from the earth. This system is becoming generalised in Sweden, and in this country the City of Leicester is adopting it. For remote houses earth disposal of sewage can be very satisfactory when done intelligently.

A. McINNES,

Medical Officer of Health.



OUNDLE AND THRAPSTON RURAL DISTRICT COUNCIL

|  |    |    |    |                         |
|--|----|----|----|-------------------------|
| Chairman of the Council                | .. | .. | .. | F. C. L. CARRESS, ESQ.  |
| Vice-Chairman of the Council           | .. | .. | .. | A. HARROD, ESQ.         |
| Chairman, Public Health Committee      | .. | .. | .. | C. S. BOWERING ESQ.     |
| Vice-Chairman, Public Health Committee | .. | .. | .. | DR. E. ST. CLAIR GAINER |

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PUBLIC HEALTH OFFICERS

|                                |    |    |    |                                      |
|--------------------------------|----|----|----|--------------------------------------|
| Medical Officer of Health      | .. | .. | .. | A. McINNESS, M.B., Ch.B.,<br>D.P.H.  |
| Chief Public Health Inspector  | .. | .. | .. | B. LEWIS, A.M.I.P.H.E.,<br>A.I. Hsg. |
| Deputy Public Health Inspector | .. | .. | .. | R.E. HOPE, M.A.P.H.I.                |

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SOCIAL CONDITIONS OF THE AREA AND STATISTICS

Area in Acres .. .. 107,337

Particulars of Separate Dwellings, Population,  
Rateable Value and the Product of a Penny Rate  
Since the Inception of the District in 1935

| Year | Dwellings | Population | Rateable Value | Product of Penny Rate |     |    |
|------|-----------|------------|----------------|-----------------------|-----|----|
|      |           |            | £              | £.                    | s.  | d. |
| 1935 | 5,109     | 16,725     | 58,721         | 221.                  | 1.  | 1. |
| 1936 | 5,147     | 16,550     | 56,517         | 216.                  | 0   | 0. |
| 1937 | 5,170     | 16,410     | 57,023         | 223.                  | 0.  | 0. |
| 1938 | 5,220     | 16,150     | 59,032         | 229.                  | 0.  | 0. |
| 1939 | 5,259     | 16,160     | 60,457         | 229.                  | 0.  | 0. |
| 1940 | 5,242     | 16,940     | 61,756         | 233.                  | 0.  | 0. |
| 1941 | 5,208     | 18,880     | 64,018         | 242.                  | 0.  | 0. |
| 1942 | 5,204     | 17,860     | 69,521         | 264.                  | 0.  | 0. |
| 1943 | 5,203     | 17,510     | 72,207         | 297.                  | 0.  | 0. |
| 1944 | 5,207     | 17,380     | 70,697         | 289.                  | 0.  | 0. |
| 1945 | 5,214     | 16,940     | 69,380         | 283.                  | 0.  | 0. |
| 1946 | 5,217     | 17,140     | 69,399         | 274.                  | 0.  | 0. |
| 1947 | 5,277     | 17,460     | 69,920         | 274.                  | 0.  | 0. |
| 1948 | 5,284     | 17,990     | 62,883         | 259.                  | 0.  | 0. |
| 1949 | 5,411     | 18,440     | 64,125         | 240.                  | 0.  | 0. |
| 1950 | 5,607     | 18,400     | 66,496         | 254.                  | 0.  | 0. |
| 1951 | 5,708     | 18,460     | 70,029         | 272.                  | 0.  | 0. |
| 1952 | 5,795     | 18,300     | 72,052         | 280.                  | 0.  | 0. |
| 1953 | 5,795     | 18,450     | 72,052         | 280.                  | 0.  | 0. |
| 1954 | 5,958     | 18,600     | 73,751         | 288.                  | 0.  | 0. |
| 1955 | 5,923     | 18,350     | 78,812         | 310.                  | 0.  | 0. |
| 1956 | 5,923     | 18,320     | 125,485        | 514.                  | 0.  | 0. |
| 1957 | 5,923     | 18,482     | 128,150        | 490.                  | 0.  | 0. |
| 1958 | 6,013     | 18,482     | 143,121        | 540.                  | 0.  | 0. |
| 1959 | 6,013     | 18,250     | 153,416        | 550.                  | 0.  | 0. |
| 1960 | 6,013     | 18,430     | 153,416        | 593.                  | 18. | 5. |
| 1961 | 5,952     | 18,900     | 156,930        | 619.                  | 0.  | 0. |
| 1962 | 5,927     | 18,890     | 164,000        | 648.                  | 0.  | 0. |
| 1963 | 5,927     | 18,460     | 400,866        | *1,610.               | 0.  | 0. |

\* Estimated.





## BIRTH RATE

The number of births, and a series of rates, are given below. Up to 1950 only crude Birth Rates could be given, but for subsequent years a comparability factor has been introduced so that :-

Standard Birth Rate = Crude Birth Rate X Factor.

For this District the comparability factor for 1963 is 1.11.

### Live Births

In the whole of England and Wales during 1963, there were born 439,762 males and 416,470 females, that is 1,056 males for every 1,000 females. Of the the total births, 59,048 or 6.9% were illegitimate. The illegitimate rate in the 5 years, 1958, 59, 60, 61 and 62 was 5.6%, so that the illegitimate rate of 1963 shows an increase of over 23% on the average rate of the previous five years.

#### TOTAL LIVE BIRTHS in District :-

|              |    |    |    |    | M          | F          | Total      |
|--------------|----|----|----|----|------------|------------|------------|
| Legitimate   | .. | .. | .. | .. | 157        | 150        | 307        |
| Illegitimate | .. | .. | .. | .. | 7          | 7          | 14         |
|              |    |    |    |    | <u>164</u> | <u>157</u> | <u>321</u> |

#### BIRTH RATES per 1,000 of Population :-

##### Oundle & Thrapston R.D. :-

|                   |    |    |    |    |       |
|-------------------|----|----|----|----|-------|
| Standard          | .. | .. | .. | .. | 19.3  |
| Crude             | .. | .. | .. | .. | 17.4  |
| Northamptonshire  | .. | .. | .. | .. | 18.62 |
| England and Wales | .. | .. | .. | .. | 18.2  |

#### ILLEGITIMATE LIVE BIRTHS per cent of Total Live Births :-

|                           |    |    |    |      |
|---------------------------|----|----|----|------|
| Oundle and Thrapston R.D. | .. | .. | .. | 4.36 |
| Northamptonshire          | .. | .. | .. | 5.41 |

### Still Births

#### TOTAL STILL BIRTHS in District :-

|              |    |    |    |    | M        | F        | Total    |
|--------------|----|----|----|----|----------|----------|----------|
| Legitimate   | .. | .. | .. | .. | 1        | 2        | 3        |
| Illegitimate | .. | .. | .. | .. | —        | —        | —        |
|              |    |    |    |    | <u>1</u> | <u>2</u> | <u>3</u> |

#### Rate per 1,000 of Live and Still Births :-

|                                |    |    |    |             |
|--------------------------------|----|----|----|-------------|
| Oundle and Thrapston R.D.      | .. | .. | .. | 9.26        |
| Northamptonshire               | .. | .. | .. | 15.57       |
| England and Wales              | .. | .. | .. | 17.3        |
|                                |    |    |    | M F Total   |
| TOTAL LIVE AND STILL BIRTHS :- |    |    |    | 165 159 324 |



### INFANT DEATHS

Deaths of Infants under one year of age :-

|              |    |    |    |    | M         | F        | Total     |
|--------------|----|----|----|----|-----------|----------|-----------|
| Legitimate   | .. | .. | .. | .. | 12        | -        | 12        |
| Illegitimate | .. | .. | .. | .. | -         | -        | -         |
|              |    |    |    |    | <u>12</u> | <u>-</u> | <u>12</u> |

Deaths of Infants under four weeks of age :-

|              |    |    |    |    | M        | F        | Total    |
|--------------|----|----|----|----|----------|----------|----------|
| Legitimate   | .. | .. | .. | .. | 7        | -        | 7        |
| Illegitimate | .. | .. | .. | .. | -        | -        | -        |
|              |    |    |    |    | <u>7</u> | <u>-</u> | <u>7</u> |

Deaths of Infants under one week of age :-

|              |    |    |    |    | M        | F        | Total    |
|--------------|----|----|----|----|----------|----------|----------|
| Legitimate   | .. | .. | .. | .. | 7        | -        | 7        |
| Illegitimate | .. | .. | .. | .. | -        | -        | -        |
|              |    |    |    |    | <u>7</u> | <u>-</u> | <u>7</u> |

### INFANT MORTALITY RATES

Total Infant Deaths under one year per 1,000 Live Births :-

|                           |    |    |    |       |
|---------------------------|----|----|----|-------|
| Oundle and Thrapston R.D. | .. | .. | .. | 37.4  |
| Northamptonshire          | .. | .. | .. | 17.92 |
| England and Wales         | .. | .. | .. | 20.9  |

The average Infant Death Rate under 1 year is between 20 and 30 per 1,000 for Northern European countries; 40 per 1,000 for Mediterranean and 120 per 1,000 South American Countries. The average for the U.S.A. and Canada lies between 20 and 30 per 1,000. The lowest recorded rates are in Sweden and the Netherlands with rates of under 20.

The rate in this district for 1963 is higher than usual. The average for the previous five years, 1958, 59, 60, 61 and 62 was round about 19 per 1,000. Fluctuations must be expected when the numerical basis of calculation is small.

Legitimate Infant Deaths per 1,000 Legitimate Live Births :-

|                           |    |    |    |       |
|---------------------------|----|----|----|-------|
| Oundle and Thrapston R.D. | .. | .. | .. | 39.1  |
| Northamptonshire          | .. | .. | .. | 17.83 |

Illegitimate Infant Deaths per 1,000 Illegitimate Live Births :-

|                           |    |    |    |       |
|---------------------------|----|----|----|-------|
| Oundle and Thrapston R.D. | .. | .. | .. | 0     |
| Northamptonshire          | .. | .. | .. | 19.48 |

Neonatal Mortality Rate (deaths under four weeks) per 1,000 Total Live Births :-

|                           |    |    |    |      |
|---------------------------|----|----|----|------|
| Oundle and Thrapston R.D. | .. | .. | .. | 21.8 |
| Northamptonshire          | .. | .. | .. | 12.3 |
| England and Wales         | .. | .. | .. | 14.2 |





Early Neonatal Mortality Rate (deaths under one week) per 1,000  
Total Live Births :-

|                           |    |    |    |       |
|---------------------------|----|----|----|-------|
| Oundle and Thrapston R.D. | .. | .. | .. | 21.8  |
| Northamptonshire          | .. | .. | .. | 11.07 |
| England and Wales         | .. | .. | .. | 12.1  |

Perinatal Mortality Rate (still-births and deaths under one week combined) per 1,000 Total Live and Still Births :-

|                           |    |    |    |       |
|---------------------------|----|----|----|-------|
| Oundle and Thrapston R.D. | .. | .. | .. | 30.9  |
| Northamptonshire          | .. | .. | .. | 26.46 |
| England and Wales         | .. | .. | .. | 29.3  |

Below is a list of deaths under one year with the causes of death:-

| <u>Sex</u> | <u>Age</u>  | <u>Cause of Death</u>   | <u>Place of Death</u>                               | <u>Remarks</u>                             |
|------------|-------------|---|---|--|
| Male       | 2<br>mths.  | Broncho Pneumonia   | At home - Tansor                                    | P.M. without inquest                       |
| Male       | 11<br>mths. | a. Meningitis<br>b. Meningococcal<br>c. Spina Bifida                            | At home -<br>Harringworth                           | ..   |
| Male       | 2<br>mths.  | Status asthmaticus  | At home - Lowick                                    | P.M. no inquest.                           |
| Male       | 4<br>mths.  | Pneumonia, Bronchial  | At home -<br>Thrapston                              |  |
| Male       | 2<br>days   | Prematurity   | Stamford and<br>Rutland Hospital                    |  |
| Male       | 5<br>hours  | Atelectasis<br>Prematurity<br>Maternal pre-eclamptic<br>toxaemia.               | St. Mary's Hospital<br>Kettering.                   |  |
| Male       | 3<br>mths.  | Acute cardiac dilatation<br>Cardiac fibro<br>elastosis                          | Kettering General<br>Hospital                       | P.M. without inquest.                      |
| Male       | 4<br>days   | a. Prematurity<br>b. Atelectasis<br>neonatorum<br>c. Pre-eclamptic<br>Toxaemia. | The Gables<br>Maternity Home,<br>Peterborough.      |  |
| Male       | 12<br>mths. | a. Acute Leukaemia<br>b. Reticulo sarcoma<br>(R) hand.                          | Children's Hospt.<br>Gt. Ormond Street,<br>Holborn. | ? included<br>in deaths<br>under one year? |
| Male       | 5<br>hrs.   | a. Prematurity<br>b. Accidental<br>Haemorrhage                                  | The Gables<br>Maternity Home<br>Peterborough.       |  |
| Male       | 1<br>day    | a. Congestion of lungs<br>b. Atelectasis  | St. Mary's Hospt.<br>Kettering.                     |  |
| Male       | 1<br>day    | a. Prematurity  | Stamford & Rutland<br>Hospital                      |  |
| Male       | 3<br>hours  | Congenital heart defect<br>(Cyanotic) exact type of<br>defect not known.        | U.S.A.F. Hospital                                   |  |





This list gives 13 in number; the child dying from Leukaemia was just under 1 year of age. Only three died of diseases recognised as more or less preventable; five died from prematurity and five died from diseases which could be described as genetic in origin and therefore not preventable at this stage of our knowledge of biological science.

MATERNITY MORTALITY (including abortion)

Number of Deaths :-

|                           |    |    |    |   |
|---------------------------|----|----|----|---|
| Oundle and Thrapston R.D. | .. | .. | .. | 0 |
| Northamptonshire          | .. | .. | .. | 1 |

Maternal Mortality Rate per 1,000 Live and Still Births :-

|                           |    |    |    |      |
|---------------------------|----|----|----|------|
| Oundle and Thrapston R.D. | .. | .. | .. | 0    |
| Northamptonshire          | .. | .. | .. | 0.17 |
| England and Wales         | .. | .. | .. | 0.28 |

Of the 243 mothers who died in 1963 in England and Wales during pregnancy, 60 died of sepsis and the other 183 died from complications of pregnancy or childbirth or of the lying in period. In 1963 the chances of death in childbirth were 1 : 2,500, whereas in 1926 the chances were 1 : 226. In the Scandinavian Countries and the U.S.A. the chances are somewhat similar to those in England and Wales. In Italy and Portugal the chances are about 1 : 870; in Japan 1 : 760 and in Ceylon 1 : 330.

The great reduction in Maternal Mortality is due first to the Sulphonamide drugs and later to penicillin and other antibiotics in the treatment and prevention of Sepsis (usually post-natal). The reduction in the other causes of maternal mortality is due to meticulous ante-natal care. Before the twenties and thirties medical interest in the pregnant mother scarcely existed.

DEATH RATES

Below are given the number of deaths and a Table of Death Rates per 1,000 of population. A comparability factor has been given so that :-

$$\text{Crude death rate} \times \text{comparability factor} = \text{standard death rate.}$$

The necessity of this factor for the purpose of comparison is due to an unequal distribution of age groups and sexes and the presence or absence of welfare homes or institutions in the area.

A classification of the causes of death is given in the Table on page 12.

|              |    |    |    |    |     |    |       |
|--------------|----|----|----|----|-----|----|-------|
|              |    |    |    |    | M   | F  | Total |
| Total Deaths | .. | .. | .. | .. | 124 | 89 | 213   |

Death Rate

|                           |            |    |    |       |
|---------------------------|------------|----|----|-------|
| Oundle and Thrapston R.D. | (Crude)    | .. | .. | 11.5  |
|                           | (Standard) | .. | .. | 11.9  |
| Northamptonshire          | (Crude)    | .. | .. | 11.21 |
| England and Wales         |            | .. | .. | 12.2  |

$$\text{Comparability Factor} = 1.03$$

The natural increase in the population = Births - Deaths, 321 - 213 = 108. This is a natural increase of 0.6% of total population. The natural increase for England and Wales was also .6%.





It should be understood that Standard Rates are for comparison with the rest of England and Wales, whereas Crude Rates are the actual rates. It is quite obvious that it would be wrong to make a public health deduction from crude rates of births and deaths from a district largely inhabited by young people of working age and another district largely inhabited by retired people over 65. Natural increase on the other hand should be deduced from crude Rates.

The natural increase in England and Wales for 1963 was 283,351 for 1962 was 283,111, in 1961 an increase of 252,900, and during the years 1956 - 1960 an average increase of 215,311. The total population of England and Wales at 30th June, 1963, was 47,023,000 made up of 22,832,000 males and 24,191,000 females. According to age groups the numbers were :-

|         | <u>All Ages</u> | <u>0-</u> | <u>5-</u> | <u>15-</u> | <u>25-</u> | <u>35-</u> | <u>45-</u> | <u>55-</u> | <u>65-</u> | <u>75-</u> |
|---------|-----------------|-----------|-----------|------------|------------|------------|------------|------------|------------|------------|
| Males   | 22,832          | 2,001     | 3,474     | 3,348      | 3,007      | 3,203      | 3,040      | 2,612      | 1,463      | 684        |
| Females | 24,191          | 1,898     | 3,296     | 3,284      | 2,886      | 3,201      | 3,163      | 2,960      | 2,163      | 1,340      |

These figures are expressed in number of thousands. The males predominate in early life up to 25-35 years and later the females are the predominant sex. At the age of 70 females : males are as 3 : 2 at 80, 2 : 1.

Males over 65, (the pensionable age) represent 9.4% of all males. Females over 60, (the pensionable age) represent 20.2% of all females. Males plus females of pensionable age represent 15% of the total population.

The groups between the working ages of 15 - 60 years are 60% of the total, the groups over 60 years, 17.4% of the total.

The comparative table below shows the decrease or the increase in decades of life of males and females. The numbers at 5 - 15 years being numerically 100 for both sexes and are based on the numbers of each sex at 5 - 15 years.

|               | M    | F    |
|---------------|------|------|
| 0 - 5 years   | 115  | 115  |
| 5 - 15 years  | 100  | 100  |
| 15 - 25 years | 96   | 99   |
| 25 - 35 years | 86   | 87.5 |
| 35 - 45 years | 92   | 97.0 |
| 45 - 55 years | 87   | 96.0 |
| 55 - 65 years | 75   | 90.0 |
| 65 - 75 years | 42   | 65.6 |
| 75 and over   | 19.6 | 40.0 |

There is a slight increase of females at 15 - 25 due to the tendency for young girls to be more resistant to disease than boys and, of course, some immigrant addition to their numbers. At the decade 35 - 45 both sexes show increase on the previous decade. This decade 35 - 45 is the decade of immigration, and also of emigration. After the decade 35 - 45, and even during this decade, the number of males falls more rapidly than that of females. Part of this more rapid decline, especially in an industrial country is due to factory life. Relevant to this belief is the fact that Male Pulmonary Tuberculosis : Female Pulmonary Tuberculosis deaths = 7 : 2 and Bronchitis 16 : 11.

On 30th June, 1963 it was estimated that out of a population of 411,000 in Northamptonshire the number under 5 years was 26,100 and under 15 years round about 72,600. Thus the number under 5 is 6.3% and under 15 years about 18% of the total.



In the whole of England and Wales those under 5 are 8.4% and under 15 years represent about 23% of the population. So that the population of the County of Northamptonshire is more aged than the average for the whole of England and Wales.

In 1963 there were 2,933 marriages in the whole county.





| Year | Oundle and Thrapston Rural District |                                   |              |                                      | County      |                                   |              |                                      | England and Wales         |                                      |
|------|-------------------------------------|-----------------------------------|--------------|--------------------------------------|-------------|-----------------------------------|--------------|--------------------------------------|---------------------------|--------------------------------------|
|      | Live Births                         |                                   | Still Births |                                      | Live Births |                                   | Still Births |                                      | Live Births               | Still Births                         |
|      | Number                              | Rate per 1,000 Population (Crude) | Number       | Rate per 1,000 Live and Still Births | Number      | Rate per 1,000 Population (Crude) | Number       | Rate per 1,000 Live and Still births | Rate per 1,000 Population | Rate per 1,000 Live and Still births |
| 1935 | 245                                 | 14.5                              | 11           | 43                                   | 2881        | 13.32                             |              |                                      | 14.7                      | 40                                   |
| 1936 | 250                                 | 15.1                              | 10           | 38                                   | 3047        | 14.0                              |              |                                      | 14.8                      | 48                                   |
| 1937 | 231                                 | 14.0                              | 8            | 33                                   | 3104        | 14.08                             |              |                                      | 14.9                      | 41                                   |
| 1938 | 253                                 | 15.6                              | 8            | 30.6                                 | 3184        | 14.38                             |              |                                      | 15.1                      | 37                                   |
| 1939 | 252                                 | 15.7                              | 5            | 19.4                                 | 3336        | 15.02                             |              |                                      | 15.0                      | 34                                   |
| 1940 | 243                                 | 14.3                              | 9            | 35.7                                 | 3363        | 13.94                             |              |                                      | 14.6                      | 37                                   |
| 1941 | 277                                 | 14.6                              | 5            | 17.7                                 | 3511        | 13.51                             |              |                                      | 14.2                      | 35                                   |
| 1942 | 286                                 | 16.0                              | 4            | 13.7                                 | 4062        | 16.66                             |              |                                      | 15.8                      | 34                                   |
| 1943 | 311                                 | 17.7                              | 5            | 15.8                                 | 4210        | 17.91                             |              |                                      | 16.5                      | 29                                   |
| 1944 | 351                                 | 20.2                              | 5            | 14.0                                 | 4684        | 20.07                             |              |                                      | 17.6                      | 25                                   |
| 1945 | 263                                 | 21.4                              | 11           | 29.4                                 | 4340        | 18.78                             |              |                                      | 16.1                      | 21                                   |
| 1946 | 304                                 | 17.5                              | 16           | 52.0                                 | 4531        | 19.17                             |              |                                      | 19.1                      | 28                                   |
| 1947 | 368                                 | 21.08                             | 15           | 43.0                                 | 4905        | 20.42                             |              |                                      | 20.5                      | N.K.                                 |
| 1948 | 315                                 | 17.51                             | 10           | 38.0                                 | 4326        | 17.46                             |              |                                      | 17.9                      | 41                                   |
| 1949 | 334                                 | 18.06                             | 20           | 56.0                                 | 4056        | 16.19                             |              |                                      | 16.7                      | 34                                   |
| 1950 | 343                                 | 18.64                             | 12           | 34.0                                 | 3995        | 15.71                             | 83           | 20.35                                | 15.8                      | 33                                   |
| 1951 | 302                                 | 16.36                             | 11           | 35.0                                 | 3997        | 15.57                             | 99           | 24.17                                | 15.5                      | 26                                   |
| 1952 | 301                                 | 16.4                              | 8            | 26.0                                 | 4006        | 15.5                              | 84           | 20.54                                | 15.3                      | 22.6                                 |
| 1953 | 347                                 | 18.8                              | 6            | 17.0                                 | 4250        | 16.16                             | 92           | 21.18                                | 15.5                      | 22.4                                 |
| 1954 | 349                                 | 18.8                              | 10           | 27.86                                | 4298        | 16.2                              | 98           | 22.29                                | 15.2                      | 23.5                                 |
| 1955 | 273                                 | 16.2                              | 5            | 18.0                                 | 4183        | 15.49                             | 103          | 24.03                                | 15.0                      | 23.2                                 |
| 1956 | 308                                 | 16.8                              | 8            | 25.3                                 | 4571        | 16.67                             | 85           | 18.25                                | 15.6                      | 22.9                                 |
| 1957 | 329                                 | 17.8                              | 6            | 18.0                                 | 4748        | 17.03                             | 91           | 18.8                                 | 16.1                      | 22.5                                 |
| 1958 | 304                                 | 16.4                              | 7            | 22.5                                 | 4809        | 16.95                             | 109          | 22.16                                | 16.4                      | 21.6                                 |
| 1959 | 302                                 | 16.5                              | 2            | 6.58                                 | 4810        | 16.6                              | 94           | 19.2                                 | 16.5                      | 21.0                                 |
| 1960 | 307                                 | 16.3                              | 10           | 32.15                                | 5183        | 17.7                              | 85           | 16.32                                | 17.1                      | 19.8                                 |
| 1961 | 337                                 | 17.8                              | 4            | 11.73                                | 5337        | 18.04                             | 88           | 16.22                                | 17.4                      | 19.1                                 |
| 1962 | 357                                 | 18.9                              | 6            | 16.5                                 | 5528        | 18.37                             | 83           | 14.79                                | 18.0                      | 18.1                                 |
| 1963 | 321                                 | 17.4                              | 3            | 9.26                                 | 5692        | 18.62                             | 90           | 15.57                                | 18.2                      | 17.3                                 |



ILLEGITIMATE BIRTHS

| Year | Oundle & Thrapston R.D. |                 |               | County       |                 |               |
|------|-------------------------|-----------------|---------------|--------------|-----------------|---------------|
|      | Total Births            | Illegit. Births | Rate per 1000 | Total Births | Illegit. Births | Rate per 1000 |
| 1935 | 245                     | 9               | 36.0          | 2881         | 104             | 36.0          |
| 1936 | 250                     | 8               | 32.0          | 3047         | 103             | 34.0          |
| 1937 | 231                     | 8               | 34.6          | 3104         | 112             | 36.0          |
| 1938 | 253                     | 8               | 32.0          | 3184         | 119             | 37.0          |
| 1939 | 252                     | 11              | 43.6          | 3336         | 125             | 37.0          |
| 1940 | 243                     | 9               | 37.0          | 3363         | 122             | 36.0          |
| 1941 | 277                     | 22              | 79.4          | 3511         | 155             | 44.0          |
| 1942 | 286                     | 15              | 52.4          | 4062         | 220             | 54.0          |
| 1943 | 311                     | 20              | 64.3          | 4210         | 288             | 69.0          |
| 1944 | 351                     | 29              | 82.6          | 4684         | 391             | 83.0          |
| 1945 | 363                     | 47              | 129.2         | 4340         | 474             | 109.0         |
| 1946 | 304                     | 14              | 45.0          | 4531         | 310             | 68.0          |
| 1947 | 368                     | 22              | 60.0          | 4905         | 269             | 55.0          |
| 1948 | 315                     | 17              | 54.0          | 4326         | 216             | 49.0          |
| 1949 | 334                     | 21              | 62.9          | 4056         | 182             | 46.0          |
| 1950 | 343                     | 29              | 84.6          | 3995         | 183             | 46.0          |
| 1951 | 302                     | 24              | 80.0          | 3997         | 202             | 50.0          |
| 1952 | 301                     | 12              | 39.9          | 4006         | 175             | 44.0          |
| 1953 | 347                     | 14              | 40.34         | 4250         | 173             | 41.0          |
| 1954 | 349                     | 22              | 63.0          | 4298         | 218             | 51.0          |
| 1955 | 273                     | 14              | 51.3          | 4183         | 187             | 45.0          |
| 1956 | 308                     | 23              | 74.7          | 4571         | 201             | 44.0          |
| 1957 | 329                     | 20              | 60.8          | 4748         | 193             | 41.0          |
| 1958 | 304                     | 16              | 52.6          | 4809         | 186             | 38.0          |
| 1959 | 302                     | 13              | 43.0          | 4800         | 199             | 41.0          |
| 1960 | 301                     | 15              | 50.0          | 5183         | 213             | 41.0          |
| 1961 | 337                     | 14              | 41.6          | 5337         | 272             | 51.0          |
| 1962 | 357                     | 22              | 61.6          | 5528         | 275             | 49.7          |
| 1963 | 321                     | 14              | 43.6          | 5692         | 308             | 54.1          |





# STATISTICAL TABLE - CAUSES OF DEATH DIVIDED INTO SEX AND AGE GROUPS

|                      |   | Age in Years          |                     |                              |    |    |     |     |     |     |     |     |              |
|----------------------|---|-----------------------|---------------------|------------------------------|----|----|-----|-----|-----|-----|-----|-----|--------------|
|                      |   | Total<br>All<br>Ages. | Under<br>4<br>Weeks | 4 wks.<br>& under<br>1 year. | 1- | 5- | 15- | 25- | 35- | 45- | 55- | 65- | 75 &<br>over |
| Malignant Neoplasm - | M | 4                     | -                   | -                            | -  | -  | -   | -   | -   | -   | 3   | -   | 1            |
| Stomach              | F | 2                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 1   | 1            |
| Malignant Neoplasm - | M | 5                     | -                   | -                            | -  | -  | -   | -   | -   | 2   | 2   | 1   | -            |
| Bronchus             | F | 1                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 1   | -            |
| Malignant Neoplasm - | M | 0                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | -            |
| Breast               | F | 5                     | -                   | -                            | -  | -  | -   | -   | -   | 1   | 4   | -   | -            |
| Other Malignant and  | M | 13                    | -                   | -                            | 1  | -  | 2   | -   | -   | 2   | 1   | 4   | 3            |
| Lymphatic Neoplasms  | F | 8                     | -                   | -                            | -  | -  | -   | -   | -   | 1   | -   | 2   | 5            |
| Leukaemia,           | M | 1                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 1   | -            |
| Aleukaemia           | F | 0                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | -            |
| Diabetes             | M | 2                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 1   | 1            |
|                      | F | 1                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | 1            |
| Vascular Lesions,    | M | 10                    | -                   | -                            | -  | -  | -   | -   | -   | -   | 2   | 4   | 4            |
| Nervous System       | F | 13                    | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 5   | 8            |
| Coronary Disease,    | M | 23                    | -                   | -                            | -  | -  | -   | -   | -   | 1   | 6   | 9   | 7            |
| Angina               | F | 13                    | -                   | -                            | -  | -  | -   | -   | -   | 1   | 1   | 6   | 5            |
| Hypertension with    | M | 1                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | 1            |
| Heart Disease        | F | 3                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 1   | 2            |
| Other Heart Disease  | M | 16                    | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 1   | 15           |
|                      | F | 19                    | -                   | -                            | -  | -  | -   | -   | -   | 1   | -   | 1   | 17           |
| Other Circulatory    | M | 0                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | -            |
| Disease              | F | 5                     | -                   | -                            | -  | -  | -   | -   | -   | 1   | 1   | 2   | 1            |
| Pneumonia            | M | 7                     | -                   | 2                            | 1  | 1  | -   | 1   | -   | -   | -   | 1   | 1            |
|                      | F | 2                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | 2            |
| Bronchitis           | M | 12                    | -                   | -                            | -  | -  | -   | -   | -   | -   | 4   | 4   | 4            |
|                      | F | 3                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 2   | 1            |
| Other Disease of     | M | 2                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 2   | -            |
| Respiratory System   | F | 0                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | -            |
| Ulcer of Stomach     | M | 1                     | -                   | -                            | -  | -  | -   | -   | -   | 1   | -   | -   | -            |
| and Duodenum         | F | 1                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | 1   | -            |
| Hyperplasia of       | M | 1                     | -                   | -                            | -  | -  | -   | -   | -   | -   | 1   | -   | -            |
| Prostate             | F | 0                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | -            |
| Congenital           | M | 4                     | 2                   | 2                            | -  | -  | -   | -   | -   | -   | -   | -   | -            |
| Malformations        | F | 0                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | -            |
| Other defined and    | M | 14                    | 5                   | 1                            | -  | -  | -   | -   | 1   | 1   | 1   | 2   | 3            |
| Ill-Defined Diseases | F | 9                     | -                   | -                            | -  | -  | -   | -   | 1   | -   | -   | 2   | 6            |
| Motor Vehicle        | M | 3                     | -                   | -                            | -  | -  | -   | 1   | -   | -   | 2   | -   | -            |
| Accidents            | F | 1                     | -                   | -                            | -  | 1  | -   | -   | -   | -   | -   | -   | -            |
| All Other Accidents  | M | 3                     | -                   | -                            | -  | -  | 1   | -   | -   | -   | 1   | 1   | -            |
|                      | F | 3                     | -                   | -                            | -  | -  | -   | -   | -   | -   | 1   | -   | 2            |
| Suicide              | M | 2                     | -                   | -                            | -  | -  | -   | -   | 1   | -   | -   | 1   | -            |
|                      | F | 0                     | -                   | -                            | -  | -  | -   | -   | -   | -   | -   | -   | -            |
| TOTAL ALL CAUSES     | M | 124                   | 7                   | 5                            | 2  | 1  | 3   | 2   | 2   | 7   | 23  | 32  | 40           |
|                      | F | 89                    | -                   | -                            | -  | 1  | -   | -   | 1   | 5   | 7   | 24  | 51           |
| TOTAL                |   | 213                   | 7                   | 5                            | 2  | 2  | 3   | 2   | 3   | 12  | 30  | 56  | 91           |

The over 75 years are 43% of total deaths  
The over 65 years are 70% of total deaths





Percentage of deaths from special causes:-

|                      | <u>1960</u> |        | <u>1961</u> |         | <u>1962</u> |         | <u>1963</u> |        |
|----------------------|-------------|--------|-------------|---------|-------------|---------|-------------|--------|
| Tuberculosis         | 0           | (0.68) | 0.48        | (0.63)  | 0.485       | (0.5)   | 0           | (0.47) |
| Respiratory Diseases | 8.8         | (9.0)  | 8.6         | (12.49) | 11.16       | (12.6)  | 12.2        | (14.0) |
| Circulatory Diseases | 53.6        | (54.5) | 49.5        | (53.3)  | 46.1        | (52.3)  | 48.4        | (53.6) |
| All Cancers          | 15.5        | (19.6) | 17.0        | (19.0)  | 20.4        | (19.03) | 18.3        | (18.6) |
| Cancer of the Lung   | 3.6         | (4.36) | 0.96        | (4.3)   | 3.3         | (4.45)  | 2.8         | (4.4)  |
| Motor Accidents      | -           | -      | -           | -       | -           | -       | 1.8         | (1.2)  |
| Other Accidents      | -           | -      | -           | -       | -           | -       | 2.8         | (2.1)  |
| Suicide              | -           | -      | -           | -       | -           | -       | 0.94        | (1.04) |

The figures in brackets are equivalent percentages for the whole of England and Wales.

The table below gives percentage of deaths according to sex from certain diseases in England and Wales during 1963.

|                        | <u>M. &amp; F.</u><br><u>Combined</u> | <u>Male</u> | <u>Female</u> |
|------------------------|---------------------------------------|-------------|---------------|
| Pulmonary Tuberculosis | 0.47                                  | 0.73        | 0.22          |
| Other Tuberculosis     | 0.06                                  | 0.06        | 0.07          |
| Respiratory Diseases   | 14.0                                  | 16.3        | 11.6          |
| Circulatory Diseases   | 53.6                                  | 50.5        | 56.7          |
| Cancer, All Forms      | 18.6                                  | 19.8        | 17.5          |
| Cancer, Lungs          | 4.4                                   | 7.4         | 1.3           |



## DEATHS

| Year | Number | Oundle and Thrapston Rural District |                      |                | County                |                | England and Wales                       |                           |      |
|------|--------|-------------------------------------|----------------------|----------------|-----------------------|----------------|---|---------------------------|------|
|      |        | Rate per 1,000 Population (Crude)   | Com- parative Factor | Deaths Under 1 |                       | Deaths Under 1 | Rate per 1,000 Births of Deaths Under 1 |                           |      |
|      |        |                                     |                      | Number         | Rate per 1,000 Births |                |   | Rate per 1,000 Population |      |
| 1935 | 232    | 13.8                                | .78                  | 14             | 57                    | 146            | 50.67                                   | 11.7                      | 57   |
| 1936 | 207    | 12.5                                | .78                  | 9              | 36                    | 146            | 47.91                                   | 12.1                      | 59   |
| 1937 | 234    | 14.2                                | .78                  | 16             | 69                    | 136            | 43.81                                   | 12.4                      | 58   |
| 1938 | 226    | 14.0                                | .78                  | 12             | 47                    | 131            | 41.14                                   | 11.6                      | 53   |
| 1939 | 214    | 13.2                                | .78                  | 12             | 47                    | 137            | 40.41                                   | 12.1                      | 50   |
| 1940 | 204    | 12.0                                | .78                  | 6              | 24                    | 170            | 48.39                                   | 14.3                      | 55   |
| 1941 | 212    | 13.0                                | N.K.                 | 8              | 27                    | 182            | 48.08                                   | 12.9                      | 59   |
| 1942 | 246    | 11.8                                | N.K.                 | 8              | 27                    | 140            | 34.46                                   | 11.6                      | 49   |
| 1943 | 220    | 12.3                                | N.K.                 | 12             | 38                    | 170            | 40.36                                   | 12.1                      | 49   |
| 1944 | 212    | 12.2                                | N.K.                 | 11             | 31                    | 178            | 38.0                                    | 11.6                      | 46   |
| 1945 | 208    | 12.3                                | N.K.                 | 17             | 47                    | 170            | 30.17                                   | 11.4                      | 46   |
| 1946 | 220    | 12.8                                | N.K.                 | 14             | 46                    | 167            | 36.86                                   | 11.5                      | 43   |
| 1947 | 214    | 12.6                                | N.K.                 | 6              | 16.3                  | 162            | 35.67                                   | 12.0                      | 41   |
| 1948 | 167    | 9.28                                | N.K.                 | 13             | 25.4                  | 137            | 31.67                                   | 10.8                      | 34   |
| 1949 | 248    | 13.48                               | .88                  | 9              | 27.0                  | 137            | 33.78                                   | 11.7                      | 32   |
| 1950 | 229    | 12.4                                | .87                  | 11             | 32.0                  | 118            | 29.53                                   | 11.6                      | 29.8 |
| 1951 | 240    | 13.0                                | .87                  | 11             | 36.4                  | 101            | 25.26                                   | 11.3                      | 29.6 |
| 1952 | 203    | 11.1                                | .87                  | 8              | 26.5                  | 100            | 24.96                                   | 11.3                      | 27.6 |
| 1953 | 166    | 10.43                               | .87                  | 6              | 17.3                  | 105            | 24.7                                    | 11.4                      | 26.8 |
| 1954 | 207    | 10.13                               | .91                  | 8              | 22.95                 | 101            | 23.5                                    | 11.3                      | 25.4 |
| 1955 | 212    | 11.55                               | .91                  | 4              | 14.65                 | 87             | 20.76                                   | 11.7                      | 24.9 |
| 1956 | 194    | 10.38                               | .98                  | 2              | 6.5                   | 90             | 19.68                                   | 11.7                      | 23.7 |
| 1957 | 203    | 11.02                               | .99                  | 9              | 27.3                  | 107            | 22.53                                   | 11.5                      | 23.1 |
| 1958 | 166    | 9.0                                 | .99                  | 8              | 26.31                 | 95             | 19.75                                   | 11.7                      | 22.6 |
| 1959 | 179    | 9.5                                 | .97                  | 5              | 16.6                  | 97             | 20.2                                    | 11.6                      | 22.2 |
| 1960 | 194    | 10.3                                | .98                  | 5              | 16.6                  | 117            | 22.57                                   | 11.5                      | 21.9 |
| 1961 | 203    | 11.0                                | .99                  | 4              | 11.87                 | 94             | 17.61                                   | 12.0                      | 21.6 |
| 1962 | 206    | 10.9                                | .98                  | 8              | 22.4                  | 108            | 19.54                                   | 11.9                      | 21.6 |
| 1963 | 213    | 11.5                                | 1.03                 | 12             | 37.4                  | 102            | 17.92                                   | 12.2                      | 20.9 |

In 1897 Infantile Mortality Rate was 134 per 1,000 births. It was not until 1906 that the rate fell below 100.





A Table of Birth Rates and Death Rates from Special Causes  
Since the Formation of the District in 1935

| Estimated<br>Population<br>1931 .. 17128 | Live Births |                             | Deaths  |                               |            |                              |              | Maternal Mortality          |        |                             |         |  |       |                               |            |      |      |
|--|-------------|-----------------------------|---------|-------------------------------|------------|------------------------------|--------------|-----------------------------|--------|-----------------------------|---------|--|-------|-------------------------------|------------|------|------|
|  | No.         | Rate<br>per<br>1000<br>pop. | Under 1 |                               | Pul.Tuber. |                              | Non-Pul.Tub. |                             | Cancer |                             | Sepsis. |  | Other |                               | All Causes |      |      |
|  |             |                             | No.     | Rate<br>per<br>1000<br>Births | No.        | Rate<br>per<br>10000<br>Pop. | No.          | Rate<br>per<br>1000<br>Pop. | No.    | Rate<br>per<br>1000<br>Pop. | No.     | Rate<br>per<br>1000<br>Births<br>Live &<br>Still | No.   | Rate<br>per<br>1000<br>Births |            |      |      |
| 1935 ..                                  | 16725       | 14.5                        | 232     | 10.76                         | 14         | 57                           | 9            | 0.53                        | 1      | 0.06                        | 18      | 1.07   | 0     | 0.0                           | 1          | 3.9  | 3.9  |
| 1936 ..                                  | 16550       | 15.1                        | 207     | 8.97                          | 9          | 36                           | 2            | 0.12                        | 4      | 0.24                        | 29      | 1.75   | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1937 ..                                  | 16410       | 14.0                        | 234     | 11.14                         | 16         | 69                           | 6            | 0.36                        | 4      | 0.24                        | 26      | 1.58   | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1938 ..                                  | 16150       | 15.6                        | 226     | 10.9                          | 12         | 47                           | 11           | 0.68                        | 4      | 0.24                        | 30      | 1.80   | 1     | 3.8                           | 1          | 3.8  | 7.6  |
| 1939 ..                                  | 16000       | 15.7                        | 214     | 10.3                          | 12         | 47                           | 9            | 0.55                        | 0      | 0.0                         | 22      | 1.36   | 0     | 0.0                           | 1          | 3.8  | 3.8  |
| 1940 ..                                  | 16940       | 14.3                        | 204     | 10.2                          | 6          | 24                           | 5            | 0.30                        | 4      | 0.23                        | 32      | 1.88   | 1     | 3.96                          | 0          | 0.0  | 3.96 |
| 1941 ..                                  | 18880       | 14.6                        | 212     | 11.2                          | 8          | 27                           | 6            | 0.31                        | 1      | 0.05                        | 35      | 1.85   | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1942 ..                                  | 17860       | 16.0                        | 246     | 13.8                          | 8          | 27                           | 3            | 0.17                        | 3      | 0.17                        | 26      | 1.45   | 1     | 3.41                          | 0          | 0.0  | 3.41 |
| 1943 ..                                  | 17510       | 17.7                        | 220     | 12.5                          | 12         | 38                           | 6            | 0.34                        | 1      | 0.05                        | 32      | 1.82   | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1944 ..                                  | 17380       | 20.2                        | 212     | 12.2                          | 11         | 31                           | 6            | 0.34                        | 3      | 0.17                        | 35      | 2.01   | 1     | 2.8                           | 1          | 2.8  | 5.6  |
| 1945 ..                                  | 16940       | 21.4                        | 208     | 12.3                          | 17         | 47                           | 6            | 0.35                        | 0      | 0.0                         | 30      | 1.77   | 1     | 2.67                          | 0          | 0.0  | 2.67 |
| 1946 ..                                  | 17140       | 17.5                        | 220     | 12.8                          | 14         | 46                           | 6            | 0.35                        | 1      | 0.06                        | 31      | 1.80   | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1947 ..                                  | 17460       | 21.08                       | 214     | 12.2                          | 6          | 16                           | 5            | 0.28                        | 1      | 0.05                        | 23      | 1.3  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1948 ..                                  | 17490       | 17.5                        | 167     | 9.28                          | 13         | 44                           | 8            | 0.45                        | 1      | 0.05                        | 29      | 1.65   | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1949 ..                                  | 18440       | 18.0                        | 248     | 13.4                          | 9          | 27                           | 7            | 0.38                        | 1      | 0.05                        | 48      | 2.6  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1950 ..                                  | 18410       | 20.7                        | 229     | 12.4                          | 11         | 32                           | 4            | 0.21                        | 3      | 0.15                        | 27      | 1.4  | 0     | 0.0                           | 1          | 3.0  | 3.0  |
| 1951 ..                                  | 18160       | 18.16                       | 240     | 11.3                          | 11         | 36                           | 2            | 0.1                         | 2      | 0.1                         | 34      | 1.8  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1952 ..                                  | 18360       | 18.0                        | 203     | 11.1                          | 8          | 26                           | 0            | 0.0                         | 0      | 0.0                         | 33      | 1.8  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1953 ..                                  | 18150       | 20.78                       | 168     | 9.1                           | 6          | 17                           | 1            | 0.05                        | 0      | 0.0                         | 23      | 1.2  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1954 ..                                  | 18000       | 20.4                        | 207     | 10.1                          | 8          | 23                           | 4            | 0.2                         | 0      | 0.0                         | 30      | 1.6  | 1     | 3.0                           | 0          | 0.0  | 3.0  |
| 1955 ..                                  | 18350       | 16.2                        | 212     | 10.5                          | 4          | 15                           | 0            | 0.0                         | 1      | 0.05                        | 35      | 1.9  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1956 ..                                  | 18320       | 18.3                        | 194     | 10.4                          | 2          | 6                            | 0            | 0.0                         | 0      | 0.0                         | 28      | 1.5  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1957 ..                                  | 18482       | 19.4                        | 203     | 11.0                          | 9          | 27                           | 0            | 0.0                         | 0      | 0.0                         | 39      | 2.1  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1958 ..                                  | 18482       | 17.9                        | 166     | 9.0                           | 8          | 26                           | 1            | 0.05                        | 1      | 0.05                        | 31      | 1.7  | 0     | 0.0                           | 1          | 3.28 | 3.28 |
| 1959 ..                                  | 18250       | 17.9                        | 179     | 9.5                           | 5          | 16                           | 0            | 0.0                         | 0      | 0.0                         | 34      | 1.8  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1960 ..                                  | 18436       | 17.6                        | 194     | 10.5                          | 5          | 16                           | 0            | 0.0                         | 0      | 0.0                         | 27      | 1.4  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1961 ..                                  | 18900       | 19.25                       | 208     | 10.9                          | 4          | 12                           | 1            | 0.05                        | 0      | 0.0                         | 34      | 1.8  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1962 ..                                  | 18890       | 20.4                        | 206     | 10.7                          | 8          | 22                           | 1            | 0.053                       | 0      | 0.0                         | 39      | 2.2  | 0     | 0.0                           | 0          | 0.0  | 0.0  |
| 1963 ..                                  | 18460       | 19.3                        | 213     | 11.9                          | 12         | 37                           | 0            | 0.0                         | 0      | 0.0                         | 39      | 2.1  | 0     | 0.0                           | 0          | 0.0  | 0.0  |

Note: The district as it is now constituted came into being on the 1st April, 1935.

Birth and death rates are standard rates except for the war years 1941 - 48 inclusive when the rates were crude rates.





## INFECTIOUS DISEASES, 1963

|                | <u>Male</u> | <u>Female</u> | <u>Total</u> |
|----------------|-------------|---------------|--------------|
| Scarlet Fever  | 1           | 2             | 3            |
| Whooping Cough | 1           | -             | 1            |
| Measles        | 105         | 113           | 218          |
| Pneumonia      | 1           | 3             | 4            |
| Food Poisoning | 2           | -             | 2            |
| Dysentery      | 2           | 1             | 3            |

### Bacteriology of Food Poisoning

The two cases of food poisoning occurred in the family of an American serviceman, two children being affected. The organism isolated was Salmonella Paratyphoid B. The cases were connected with an outbreak in Huntingdonshire.

### Leptospirosis, (Weil's Disease), (Rat Bite Fever)

A farmer died in hospital from this disease in December, 1962. His illness began about the middle of November and he was removed to hospital 28th November, 1962. Clinically the case was typical of Leptospirosis - Jaundice, rash and high white cell count. The patient's serum showed agglutination at a dilution of 1 : 1,000. Post-mortem examination showed typical lesions.

The corn ricks on the farm were heavily infested with rats and there was evidence of many rat runs from the ricks to a near-by dyke.

## TUBERCULOSIS

The number of notifications of tuberculosis during 1963 was:-

| <u>PULMONARY</u> |        |       | <u>NON-PULMONARY</u> |        |       |
|------------------|--------|-------|----------------------|--------|-------|
| Male             | Female | Total | Male                 | Female | Total |
| 2                | -      | 2     | -                    | -      | -     |

There were no deaths from pulmonary tuberculosis during 1963.

### Number of Cases of Tuberculosis on Register 31st December, 1963

| <u>PULMONARY</u> |        |       | <u>NON-PULMONARY</u> |        |       |
|------------------|--------|-------|----------------------|--------|-------|
| Male             | Female | Total | Male                 | Female | Total |
| 42               | 32     | 74    | 9                    | 18     | 27    |

### Toxic Chemicals in Agriculture

Di-Nitro Compounds - The chief are D.N.C. and D.N.B.P. and are most used for weed killing from the end of March until the middle of June and most commonly for corn crops; and for the destruction of potato haulm in August and September. Farm workers are likely to suffer.

D.N.C. is a cumulative poison for which there is no known antidote. When absorbed into the blood to an extent considerably



below 20 microgrammes per gramme of blood the effect is to produce a sensation of exaggerated well-being. When the concentration approaches 20 micro-grammes the feeling of well-being is replaced by a sense of fatigue, thirst and sweating. At 20 micro-grammes the patient can be seriously ill.

Workers with D.N.C. and D.N.B.P. should be under medical supervision for blood testing. For the Oundle and Thrapston Rural District the workers' blood could be tested at:-

1. Department of Biochemistry,  
Addenbrooke's Hospital,  
Cambridge.
2. Department of Pathology,  
Memorial Hospital,  
Peterborough.
3. Department of Pathology,  
Royal Infirmary,  
Leicester.

#### GENERAL HEALTH SERVICES

##### (a) Laboratory Facilities

The Public Health Laboratory Service, Northampton and Kettering, examined material submitted by general practitioners in the area, and also carried out the bacteriological examination of water and other samples submitted from this district.

It also carried out examinations of milk samples by the Methylene Blue and Phosphatase tests.

Chemical analyses of water supplies and presumptive B. Coli tests are carried out by the Public Analyst, Cambridge.

##### (b) Diphtheria Anti-Toxin

A supply of anti-toxin is kept at Rushden Sanatorium, Doddington Road Hospital, Wellingborough and the General Hospital, Kettering.

##### (c) Ambulances

The scheme of ambulance services now available under the National Health Service Act is:-

Islip Ambulance: Aldwincle, Clopton, Denford, Islip, Lowick, Sudborough, Slipton, Thrapston, Titchmarsh, Thorpe, Twywell and Woodford.

Oundle Ambulance: Ashton, Apethorpe, Barnwell, Benefield, Cotterstock, Fotheringhay, Glapthorn, Hemington, King's Cliffe, Lilford, Luddington, Lutton, Nassington, Pilton, Polebrook, Southwick, Stoke Doyle, Tansor, Thurning, Wadenhoe, Warmington, Woodnewton and Yarwell.

Higham Ferrers Ambulance: Chelveston-cum-Caldecott.





Irthlingborough  
Ambulance:

Great Addington, Little Addington

Weldon Ambulance:

Blatherwycke, Brigstock, Bulwick, Deene,  
Deenethorpe, Fineshade, Harringworth,  
Laxton and Wakerley.

Raunds Ambulance:

Hargrave, Ringstead.

Ambulance for Infectious Diseases

The same ambulance is used for infectious diseases as for non-infectious diseases.

National Assistance Act, 1948

Section 47 of the Act, confers on all Sanitary Authorities the power to remove to a suitable hospital or other place, persons who:-

- (a) are suffering from grave chronic disease, or, being aged, infirm or physically incapacitated, are living in insanitary conditions; and
- (b) are unable to devote to themselves, and are not receiving from other persons, proper care and attention.

A recommendation for compulsory removal of an old lady of 77, being without care and attention and living in a dilapidated house under most squalid conditions, was accepted by the Council, but refused by a physician of the hospital where admittance was sought. In the Magistrate's Court the only legal opposition to the request for compulsory removal of the patient is the manager or managers of the premises to which admittance for the patient is sought. The Hospital Management Committee and not the physician is the legal manager of the premises where it was sought to send the patient. If the physician is willing then the Management Committee need not be consulted. For a physician to refuse without reference to the committee is an action ultra vires. Clearly the situation is impossible when a Sanitary Authority's Statutory duty to get such a person into a nationalised hospital can be thwarted by the decision of any individual.

In this case the relatives came to the rescue - a result devoutly to be desired.





Housing

The building programme for the year 1962 was as follows:-

|  |    |
|--|----|
| Number of Council houses built during the year                     | 15 |
| Number of Council houses under construction at the end of the year | 21 |
| Number of private houses built during the year                     | 53 |
| Number of private houses under construction at the end of the year | 44 |

The following Clearance Areas have been dealt with post-war up to the date of this Report :-

| No. of Clearance Area | Situation                                   | No. of Houses | Date of Confirmation by Ministry |
|-----------------------|---|---------------|----------------------------------|
| 30                    | North Street, Titchmarsh                    | 7             | 3rd July, 1952                   |
| 31                    | Woodford Road, Great Addington              | 6             | 3rd July, 1952                   |
| 33                    | Bakehouse Hill, Little Addington            | 2             | 22nd December, 1952              |
| 34                    | Lyveden Road, Brigstock                     | 2             | 14th April, 1953                 |
| 35                    | Pond Yard, Collyweston                      | 3             | 17th December, 1953              |
| 36                    | Harvey's Lane, Little Addington             | 2             | 4th November, 1954               |
| 37                    | Front Street, Denford                       | 4             | 14th September, 1954             |
| 38                    | Vine Cottages, Great Addington              | 3             | 19th April, 1955                 |
| 39                    | High Street, Ringstead                      | 2             | 7th February, 1956               |
| 40                    | Baker's Lane, Woodford                      | 3             | 15th April, 1956                 |
| 41                    | Main Street, Twywell                        | 3             | 9th August, 1956                 |
| 42                    | Denford Road, Ringstead                     | 2             | 12th July, 1956                  |
| 43                    | Londen End, Titchmarsh                      | 3             | 12th July, 1956                  |
| 44                    | Denford Road, Ringstead                     | 3             | Site Purchased                   |
| 45                    | Polopit, Titchmarsh                         | 2             | 16th October, 1956               |
| 46                    | Club Lane, Woodford                         | 2             | 27th November, 1956              |
| 47                    | Chapel Street, Titchmarsh                   | 2             | 18th July, 1957                  |
| 48                    | Polopit, Titchmarsh                         | 4             | 20th December, 1957              |
| 49                    | St. Andrews Lane, Titchmarsh                | 2             | 3rd June, 1958                   |
| 50                    | Church Street, Easton-on-the-Hill           | 4             | 20th May, 1958                   |
| 51                    | Chapel Yard, Easton-on-the-Hill             | 3             | 24th July, 1958                  |
| 52                    | The Lane, Easton-on-the-Hill                | 2             | 29th July, 1958                  |
| 53                    | Rectory End, Easton-on-the-Hill             | 2             | 29th July, 1958                  |
| 54                    | Newtown, Easton-on-the-Hill                 | 2             | 29th July, 1958                  |
| 55                    | The Square, Easton-on-the-Hill              | 3             | 15th July, 1958                  |
| 56                    | Newtown, Easton-on-the-Hill                 | 2             | 18th November, 1958              |
| 57                    | West Street, Easton-on-the-Hill             | 2             | 18th November, 1958              |
| 58                    | Bell Street, Easton-on-the-Hill             | 2             | 26th February, 1959              |
| 59                    | Church Street, Nassington                   | 2             | 26th February, 1959              |
| 60                    | Carlow Street, Ringstead                    | 2             | 13th March, 1959                 |
| 61                    | Newtown, Woodford                           | 3             | 13th March, 1959                 |
| 62                    | Long Yard, Islip                            | 3             | 13th March, 1959                 |
| 63                    | Bell Street, Easton-on-the-Hill             | 2             | 13th April, 1959                 |
| 64                    | Bell Street, Easton-on-the-Hill             | 3             | 10th July, 1959                  |
| 65                    | Park Street, King's Cliffe                  | 3             | 27th October, 1959               |
| 66                    | Hathaway's Yard, Park Street, King's Cliffe | 5             | 1st July, 1959                   |
| 67                    | Woodford Road, Great Addington              | 2             | 8th April, 1960                  |
| 68                    | Hill's Yard, Station Road, Nassington       | 2             | 2nd February, 1961               |
| 69                    | New Road, Collyweston                       | 4             | 7th June, 1962                   |
| 70                    | Station Road, Nassington                    | 4             | 29th August, 1962                |
| 71                    | Addington Road, Woodford                    | 4             | 29th August, 1962                |
| 72                    | High Street, Woodford                       | 3             | 29th August, 1962                |
| 73                    | Park Street, King's Cliffe                  | 8             | 26th February, 1963              |
| 74                    | Woodford Road, Great Addington              | 2             | 28th March, 1963                 |
| 75                    | High Street, Woodford                       | 3             | 24th January, 1964               |
| 76                    | Raunds Road, Chelveston                     | 3             | 17th January, 1964               |
| 77                    | Church Street, Hargrave                     | 3             | 23rd March, 1964                 |

Total number of houses dealt with in Clearance Areas - 140  
 Total number of individual houses dealt with - 90

TOTAL 230





## WATER SUPPLIES

The Council accepted the principle of Fluoridation of water supplies.

For Public Health purposes all water analyses should be -

- (a) Chemical
- (b) Bacteriological

The one can check the other.

### Chemical

Although all items in the chemical analysis may be important under ordinary circumstances for Public Water Supply, the proportions of the Ammonias, oxides of nitrogen, and the amount of Oxygen absorbed are the most revealing; especially the Oxygen absorbed. The amount of Oxygen absorbed as a criterion of the amount of organic matter in the water. Your water supplies, being deep well water, usually have less organic matter in suspension than have surface waters. Excluding contamination in the pipe conduction deep well water is the more dependable.

Deep well water in this limestone district is normally very hard due to the soluble magnesium and calcium salts - about 40 parts per 100,000.

### Bacteriological Analysis

This divides the Bacteria into two kinds -

- (a) Those thriving at body heat -  $37^{\circ}\text{C}$
- (b) Those thriving at room heat -  $21^{\circ}\text{C}$

Those growing at  $37^{\circ}\text{C}$  and not at  $21^{\circ}\text{C}$  are potentially disease producers, the others are not. But the presence of either alone would be suspicious of contamination.





Summary of Results of Bacteriological Examinations  
and Chemical Analyses

| Source   | Public Health Lab.<br>Bact. Examination |               |               | Public Analyst<br>Bact. Examination<br>and Chemical Analysis |               |               |
|--|---|---------------|---------------|--|---------------|---------------|
|  | Total<br>No. of<br>Samples              | No.<br>Satis. | No.<br>Unsat. | Total<br>No. of<br>Samples                                   | No.<br>Satis. | No.<br>Unsat. |
| Barnwell   | 21                                      | 17            | 4             | 1  | 1             | -             |
| Brigstock  | 5                                       | 5             | -             | -  | -             | -             |
| Cotterstock  | 12                                      | 11            | 1             | -  | -             | -             |
| Islip  | 5                                       | 5             | -             | -  | -             | -             |
| Ringstead  | 16                                      | 13            | 3             | 6  | 4             | 2             |
| Thrapston  | 13                                      | 13            | -             | 3  | 3             | -             |
| Tixover  | 13                                      | 10            | 3             | 1  | 1             | -             |
| Woodford   | 9                                       | 8             | 1             | 3  | 3             | -             |
| Mid-Northants<br>Water Board<br>(Benefield)              | 5                                       | 5             | -             | -  | -             | -             |
| Private (including<br>test samples on new<br>boreholes). | 5                                       | 2             | 3             | 5  | 2             | 3             |
| TOTAL  | 104                                     | 89            | 15            | 19   | 14            | 5             |

Copies of the reports on the samples of water are supplied to the Nene and Ouse Water Board who are now responsible for water supply throughout the area of the Rural District. The attention of the Board's Engineer being drawn particularly to any unsatisfactory reports to enable immediate measures to be taken.

None of the waters in the Rural District are liable to have a plumbo-solvent action.

The following are typical analyses from the respective sources:-

Sample of water labelled, "Treated Water from Barnwell Source" received on the 2nd April, 1963.

|                     |     |     |   |
|---------------------|-----|-----|---|
| Physical Characters | ... | ... | Very slight deposit,<br>very faintly turbid,<br>colourless. |
| Reaction            | ... | ... | pH 7.2  |

The sample contained:-

Parts per 100,000

|                           |     |     |     |     |        |
|---------------------------|-----|-----|-----|-----|--------|
| Chloride                  | ... | ... | ... | ... | 5.8    |
| Ammonia (Free and Saline) | ... | ... | ... | ... | 0.0028 |
| Ammonia (Albuminoid)      | ... | ... | ... | ... | 0.0134 |



|  |        |
|--|--------|
| Oxygen absorbed in 3 hrs. at 37°C ... .. | 0.1335 |
| Nitrates (expressed as Nitrogen) ... ..  | 0.25   |
| Nitrites ... ..                          | absent |
| Poisonous Metals ... ..                  | absent |
| Total Hardness... ..                     | 31.6   |

#### BACTERIOLOGICAL EXAMINATION.

Coliform organisms absent in 100 mls.

Number of microorganisms per ml developing at 37°C = 11 + mould  
number of microorganisms per ml developing at 21°C = 13

#### MICROSCOPICAL EXAMINATION OF DEPOSIT

Mineral matter, organic matter and diatoms.

#### I N F E R E N C E

The results obtained on the analysis of this sample indicate a hard water containing an appreciable amount of organic matter though containing relatively few bacteria.

I am of opinion that this water, as evidenced by the sample, is safe for drinking purposes. It is to be recommended however that the supply be kept under close observation.

-----

Sample of water labelled "Treated Water from Ringstead Source" received on the 5th November, 1963.

|                           |        |
|---------------------------|--------|
| Physical Characters... .. | Good   |
| Reaction ... ..           | pH 7.1 |

#### The sample contained:-

#### Parts per 100,000

|  |        |
|--|--------|
| Chloride ... ..                          | 7.55   |
| Ammonia (Free and Saline) ... ..         | 0.1320 |
| Ammonia (Albuminoid) ... ..              | 0.0098 |
| Oxygen absorbed in 3 hrs. at 37°C ... .. | 0.1056 |
| Nitrates (expressed as Nitrogen) ... ..  | 0.10   |
| Nitrites ... ..                          | absent |
| Poisonous Metals ... ..                  | absent |
| Total Hardness... ..                     | 33.3   |

#### BACTERIOLOGICAL EXAMINATION

Coliform organisms absent in 100 mls.

Number of microorganisms per ml developing at 37°C = nil

Number of microorganisms per ml developing at 21°C = nil.

#### MICROSCOPICAL EXAMINATION OF DEPOSIT

None.

#### I N F E R E N C E

The results obtained on the analysis of this sample indicate a hard water containing an appreciable amount of organic matter though free from bacterial contamination.

I am of opinion that this water as evidenced by the sample is fit for drinking purposes. It is to be recommended however that the supply be kept under close observation.

-----





Sample of Water labelled "Treated water from Thrapston Source" received on the 2nd April, 1963.

|                     |     |     |     |        |
|---------------------|-----|-----|-----|--------|
| Physical Characters | ... | ... | ... | Good   |
| Reaction            | ... | ... | ... | pH 7.2 |

| <u>The sample contained:-</u>     | <u>Parts per 100,000</u> |
|-----------------------------------|--------------------------|
| Chloride                          | 3.9                      |
| Ammonia (Free and Saline)         | absent                   |
| Ammonia (Albuminoid)              | 0.0024                   |
| Oxygen absorbed in 3 hrs. at 37°C | 0.0191                   |
| Nitrates (expressed as Nitrogen)  | 1.35                     |
| Nitrites                          | absent                   |
| Poisonous Metals                  | absent                   |
| Total Hardness                    | 35.9                     |

BACTERIOLOGICAL EXAMINATION

Coliform organisms absent in 100mls.  
Number of microorganisms per ml. developing at 37°C = nil  
Number of microorganisms per ml. developing at 21°C = nil

MICROSCOPICAL EXAMINATION OF DEPOSIT

None.

I N F E R E N C E

The results obtained on the analysis of this sample do not show any evidence of pollution with harmful organic or inorganic matter. The comparatively high nitrate figure should be noted.

I am of opinion that this water is fit for drinking purposes.

Sample of Water labelled "Tixover Source" taken at Collyweston, received on the 30th January, 1963.

|                     |     |     |     |        |
|---------------------|-----|-----|-----|--------|
| Physical Characters | ... | ... | ... | Good   |
| Reaction            | ... | ... | ... | pH 7.1 |

| <u>The sample contained:-</u>     | <u>Parts per 100,000</u> |
|-----------------------------------|--------------------------|
| Chloride                          | 2.9                      |
| Ammonia (Free and Saline)         | 0.0016                   |
| Ammonia (Albuminoid)              | 0.0018                   |
| Oxygen absorbed in 3 hrs. at 37°C | 0.0298                   |
| Nitrates (expressed as Nitrogen)  | 0.25                     |
| Nitrites                          | absent                   |
| Poisonous Metals                  | absent                   |
| Total Hardness                    | 29.6                     |

BACTERIOLOGICAL EXAMINATION

Coliform organisms absent in 100 mls.  
Number of microorganisms per ml developing at 37°C = Nil  
Number of microorganisms per ml developing at 21°C = Nil

MICROSCOPICAL EXAMINATION OF DEPOSIT

None.



## I N F E R E N C E

The results obtained on the analysis of this sample do not show any evidences of pollution with harmful organic or inorganic matter.

I am of opinion that this water is fit for drinking purposes.

-----

Sample of Water labelled "Treated Water from Woodford Source" received on the 5th November, 1963.

|                            |        |
|----------------------------|--------|
| Physical Characters ... .. | Good   |
| Reaction ... ..            | pH 7.2 |

The sample contained:-

Parts per 100,000

|  |        |
|--|--------|
| Chloride ... ..                          | 7.05   |
| Ammonia (Free and Saline) ... ..         | 0.0015 |
| Ammonia (Albuminoid) ... ..              | 0.0058 |
| Oxygen absorbed in 3 hrs. at 37°C ... .. | 0.0231 |
| Nitrates (expressed as Nitrogen) ... ..  | 0.30   |
| Nitrites ... ..                          | absent |
| Poisonous Metals ... ..                  | absent |
| Total Hardness... ..                     | 36.2   |

## BACTERIOLOGICAL EXAMINATION

Coliform organisms absent in 100 mls.

Number of microorganisms per ml developing at 37°C = nil

Number of microorganisms per ml developing at 21°C = nil

## MICROSCOPICAL EXAMINATION OF DEPOSIT

None.

## I N F E R E N C E

The results obtained on the analysis of this sample do not show any evidences of pollution with harmful organic or inorganic matter.

I am of opinion that this water is fit for drinking purposes.

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A Public water main is available to the built-up area of the 51 parishes in the Rural District. No Parish in the District is dependent on street standpipes for its water supply.

The following table gives particulars of the estimated number of dwellinghouses and the number of the population supplied from public water mains :-

| Parish                  | Mains Water<br>Direct to Houses |            | Mains Water<br>By Standpipe |            |
|-------------------------|---------------------------------|------------|-----------------------------|------------|
|                         | Houses                          | Population | Houses                      | Population |
| Aldwinckle              | 95                              | 285        | 11                          | 30         |
| Apethorpe               | 47                              | 140        | -                           | -          |
| Ashton                  | 50                              | 138        | -                           | -          |
| Barnwell                | 123                             | 350        | 18                          | 46         |
| Benefield               | 104                             | 340        | -                           | -          |
| Blatherwycke            | 17                              | 35         | 10                          | 20         |
| Brigstock               | 300                             | 850        | 62                          | 180        |
| Bulwick                 | 45                              | 140        | 2                           | 8          |
| Chelveston-cum-Caldecot | 68                              | 200        | 32                          | 95         |
| Clopton                 | 20                              | 62         | 12                          | 38         |
| Collyweston             | 141                             | 360        | 26                          | 68         |
| Cotterstock             | 34                              | 63         | 4                           | 12         |
| Deene                   | 34                              | 90         | -                           | -          |
| Deenethorpe             | 26                              | 63         | -                           | -          |
| Denford                 | 58                              | 146        | 31                          | 64         |
| Duddington              | 41                              | 117        | 20                          | 55         |
| Easton-on-the-Hill      | 298                             | 890        | 8                           | 20         |
| Fineshade               | 14                              | 42         | 3                           | 10         |
| Fotheringhay            | 46                              | 138        | 8                           | 21         |
| Glapthorn               | 53                              | 156        | 20                          | 58         |
| Great Addington         | 43                              | 125        | 32                          | 68         |
| Hargrave                | 34                              | 108        | 26                          | 81         |
| Harringworth            | 46                              | 115        | 13                          | 35         |
| Hemington               | 18                              | 56         | 9                           | 24         |
| Islip                   | 181                             | 500        | 30                          | 74         |
| King's Cliffe           | 278                             | 970        | 43                          | 134        |
| Laxton                  | 30                              | 93         | -                           | -          |
| Lilford-cum-Wigsthorpe  | 58                              | 188        | 9                           | 30         |
| Little Addington        | 57                              | 180        | 12                          | 32         |
| Lowick                  | 75                              | 223        | 30                          | 85         |
| Luddington              | 14                              | 50         | 5                           | 14         |
| Lutton                  | 43                              | 130        | 10                          | 29         |
| Nassington              | 167                             | 432        | 18                          | 31         |
| Pilton                  | 15                              | 74         | 10                          | 25         |
| Polebrook               | 70                              | 221        | 21                          | 58         |
| Ringstead               | 269                             | 814        | 36                          | 81         |
| Southwick               | 55                              | 187        | 5                           | 16         |
| Stoke Doyle             | 34                              | 96         | -                           | -          |
| Sudborough              | 52                              | 132        | 6                           | 14         |
| Tansor                  | 44                              | 140        | 9                           | 24         |
| Thorpe Achurch          | 55                              | 137        | 8                           | 19         |
| Thrapston               | 650                             | 1875       | 35                          | 104        |
| Thurning                | 25                              | 58         | 8                           | 18         |
| Titchmarsh              | 133                             | 339        | 50                          | 112        |
| Twywell                 | 81                              | 207        | 28                          | 49         |
| Wadenhoe                | 32                              | 102        | 7                           | 24         |
| Wakerley                | 16                              | 64         | 15                          | 43         |
| Warmington              | 178                             | 536        | 10                          | 27         |
| Woodford                | 402                             | 1217       | 53                          | 136        |
| Woodnewton              | 55                              | 173        | 14                          | 39         |
| Yarwell                 | 82                              | 248        | 6                           | 15         |



## SEWERAGE AND SEWAGE DISPOSAL

The following villages have been provided with modern sewers and sewage disposal works:-

King's Cliffe  
Easton-on-the-Hill  
Warmington  
Nassington  
Titchmarsh  
Great Addington  
Little Addington.

Proposals are at present under consideration for the following:-

|           |   |                                  |
|-----------|---|----------------------------------|
| Thrapston | } | New joint sewage disposal works. |
| Islip     |   |                                  |
| Ringstead |   |                                  |
| Denford   |   |                                  |

Apethorpe and Woodnewton (combined scheme).

Harringworth

Glaphorn.

In October, 1958, the Council adopted a priority list of villages in need of sewerage. The list includes Barnwell, Benefield, Collyweston and Polebrook. In view of the increasing demand for residential development in some of the parishes in the District there is an urgent need for sewerage schemes in a number of villages.

### Meat Inspection

There are six licensed slaughterhouses in the Area.

Although every attempt has been made to carry out 100% inspection of meat slaughtered in the area this has not proved possible and it will therefore not be possible to comply with the Meat Inspection Regulations, 1963 when these come fully into force on 1st October, 1965.





# FACTORIES . ACT, 1937

Details of the administration of this Act are given in the following tables :-

Inspection for purposes of provisions as to health.

| Premises   | Number<br>on<br>Register | Number of   |                    |                         |
|--|--------------------------|-------------|--------------------|-------------------------|
|  |                          | Inspections | Written<br>Notices | Occupiers<br>Prosecuted |
| (i) Factories in which Sections 1,2,3,4 and 6 are to be enforced by Local Authorities                        | 6                        | 5           | -                  | -                       |
| (ii) Factories not included in (i) in which Section 7 is enforced by the Local Authority.                    | 54                       | 7           | -                  | -                       |
| (iii) Other Premises in which Section 7 is enforced by the Local Authority (excluding out-workers' premises) | -                        | -           | -                  | -                       |
| TOTAL  | 60                       | 12          | -                  | -                       |

| Particulars   | Number of cases in which defects were found |          |                   |                   | Number of cases in which prosecutions were instituted |
|---|---|----------|-------------------|-------------------|---|
|   | Found                                       | Remedied | Referred          |                   |   |
|   |   |          | To H.M. Inspector | By H.M. Inspector |   |
| Want of cleanliness (S.1)   | -   | -        | -                 | -                 | -   |
| Overcrowding (S.2)  | -   | -        | -                 | -                 | -   |
| Unreasonable temperature (S.3)  | -   | -        | -                 | -                 | -   |
| Inadequate ventilation (S.4)  | -   | -        | -                 | -                 | -   |
| Ineffective drainage of floors (S.6)  | -   | -        | -                 | -                 | -   |
| Sanitary conveniences (S.7)   |   |          |                   |                   |   |
| (a) Insufficient  | -   | -        | -                 | -                 | -   |
| (b) Unsuitable or defective   | -   | -        | -                 | -                 | -   |
| (c) Not separate for sexes  | -   | -        | -                 | -                 | -   |
| Other offences against the Act (not including offences relating to Outwork) | -   | -        | -                 | -                 | -   |
| TOTAL   | -   | -        | -                 | -                 | -   |



Outwork

There are five factories in the district which employ outworkers.

| Nature of Work  | Section 110   |   |   | Section 111                                       |                |              |
|-----------------|---|---|---|---|----------------|--------------|
|                 | No. of outworkers in August list required by Section 110(1) (c) | No. of Cases of default in sending lists to the Council | No. of prosecutions for failure to supply lists | No. of instances of work in un-wholesome premises | Notices served | Prosecutions |
| Wearing Apparel | 29  | -   | -   | -   | -              | -            |
| Stuffed Toys    | 107   | -   | -   | -   | -              | -            |





PUBLIC CLEANSING

The following table shows the arrangements in force:-

| <u>Parish</u>        |    |    |    |    |    |    | <u>Interval<br/>of Collection</u> |
|----------------------|----|----|----|----|----|----|-----------------------------------|
| Aldwinckle           | .. | .. | .. | .. | .. | .. | Weekly                            |
| Apethorpe            | .. | .. | .. | .. | .. | .. | "                                 |
| Barnwell             | .. | .. | .. | .. | .. | .. | "                                 |
| Brigstock            | .. | .. | .. | .. | .. | .. | "                                 |
| Chelveston           | .. | .. | .. | .. | .. | .. | "                                 |
| Denford              | .. | .. | .. | .. | .. | .. | "                                 |
| Easton-on-the-Hill   | .. | .. | .. | .. | .. | .. | "                                 |
| Fotheringhay         | .. | .. | .. | .. | .. | .. | "                                 |
| Great Addington      | .. | .. | .. | .. | .. | .. | "                                 |
| Hargrave             | .. | .. | .. | .. | .. | .. | "                                 |
| Islip                | .. | .. | .. | .. | .. | .. | "                                 |
| King's Cliffe        | .. | .. | .. | .. | .. | .. | "                                 |
| Lilford              | .. | .. | .. | .. | .. | .. | "                                 |
| Little Addington     | .. | .. | .. | .. | .. | .. | "                                 |
| Lowick               | .. | .. | .. | .. | .. | .. | "                                 |
| Nassington           | .. | .. | .. | .. | .. | .. | "                                 |
| Polebrook            | .. | .. | .. | .. | .. | .. | "                                 |
| Ringstead            | .. | .. | .. | .. | .. | .. | "                                 |
| Slipton              | .. | .. | .. | .. | .. | .. | "                                 |
| Sudborough           | .. | .. | .. | .. | .. | .. | "                                 |
| Thorpe Achurch       | .. | .. | .. | .. | .. | .. | "                                 |
| Thrapston            | .. | .. | .. | .. | .. | .. | "                                 |
| Titchmarsh           | .. | .. | .. | .. | .. | .. | "                                 |
| Twywell              | .. | .. | .. | .. | .. | .. | "                                 |
| Warmington           | .. | .. | .. | .. | .. | .. | "                                 |
| Woodford             | .. | .. | .. | .. | .. | .. | "                                 |
| Woodnewton           | .. | .. | .. | .. | .. | .. | "                                 |
| Yarwell              | .. | .. | .. | .. | .. | .. | "                                 |
| Armston              | .. | .. | .. | .. | .. | .. | Fortnightly                       |
| Ashton               | .. | .. | .. | .. | .. | .. | "                                 |
| Benefield            | .. | .. | .. | .. | .. | .. | "                                 |
| Blatherwycke         | .. | .. | .. | .. | .. | .. | "                                 |
| Bulwick              | .. | .. | .. | .. | .. | .. | "                                 |
| Clopton              | .. | .. | .. | .. | .. | .. | "                                 |
| Collyweston          | .. | .. | .. | .. | .. | .. | "                                 |
| Cotterstock          | .. | .. | .. | .. | .. | .. | "                                 |
| Deene                | .. | .. | .. | .. | .. | .. | "                                 |
| Deenethorpe          | .. | .. | .. | .. | .. | .. | "                                 |
| Duddington           | .. | .. | .. | .. | .. | .. | "                                 |
| Fineshade            | .. | .. | .. | .. | .. | .. | "                                 |
| Glapthorn            | .. | .. | .. | .. | .. | .. | "                                 |
| Harringworth         | .. | .. | .. | .. | .. | .. | "                                 |
| Hemington            | .. | .. | .. | .. | .. | .. | "                                 |
| Laxton               | .. | .. | .. | .. | .. | .. | "                                 |
| Luddington           | .. | .. | .. | .. | .. | .. | "                                 |
| Lutton               | .. | .. | .. | .. | .. | .. | "                                 |
| Pilton               | .. | .. | .. | .. | .. | .. | "                                 |
| Southwick            | .. | .. | .. | .. | .. | .. | "                                 |
| Stoke Doyle          | .. | .. | .. | .. | .. | .. | "                                 |
| Tansor and Elmington | .. | .. | .. | .. | .. | .. | "                                 |
| Thurning             | .. | .. | .. | .. | .. | .. | "                                 |
| Wadenhoe             | .. | .. | .. | .. | .. | .. | "                                 |
| Wakerley             | .. | .. | .. | .. | .. | .. | "                                 |
| Wigsthorpe           | .. | .. | .. | .. | .. | .. | "                                 |



### MOVEABLE DWELLINGS

Since the Caravan Sites and Control of Development Act, 1960, came into force in August, 1960, the following site licences have been issued :-

Permanent Caravan Sites - 4      Number of Caravans - 15

Temporary Caravan Sites - 25      Number of Caravans - 37

### SWIMMING BATHS

There are no public swimming baths in this area.







